

12-23-99

LSI-99-299

A

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: ) Art Unit:  
Chintan Desai )  
Serial No. [Not yet assigned] )  
Filed: December 21, 1999 )  
For: RECEIVER DESERIALIZER )  
CIRCUIT FOR FRAMING PARALLEL )  
DATA )

jc530 U.S. PTO  
09/468746  
12/21/99


**CERTIFICATE OF MAILING**

"Express Mail" mailing label no: EL100016184US

Date of Deposit: December 21, 1999

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to:

Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

  
Diane Morse

**TRANSMITTAL LETTER**

Honorable Assistant Commissioner  
for Patents  
Box Patent Application  
Washington, D.C. 20231

Dear Sir:

Enclosed for filing please find the patent application for an invention entitled, "RECEIVER DESERIALIZER CIRCUIT FOR FRAMING PARALLEL DATA", filed on behalf of LSI Logic Corporation, assignee from inventor Chintan Desai, including Utility Patent Application Transmittal, 12 pages of specification, 5 pages of claims, 5 sheets of drawing figures, and 1 page of Abstract. Also enclosed herewith are the Combined Declaration and Power of Attorney, and Recordation Form Cover Sheet and Assignment.

The attorney's Docket Number is LSI-99-299.

Kindly address all communications regarding this application to:

Bruce R. Hoppenfeld  
LSI Logic Corporation  
Patent Law Department  
1551 McCarthy Boulevard, M/S D-106  
Milpitas, CA 95035

A check in the amount of \$760.00 is enclosed for the filing fee for a large entity, calculated as follows:


Basic Filing Fee:	\$ 760.00
No Additional Independent Claims:	\$ .00
20 Additional Dependent Claims	\$ .00
No <u>Multiple Dependent Claims:</u>	\$ .00
Total Filing Fee:	\$ 760.00

A check in the amount of \$40.00 is also enclosed for the Assignment fee.

In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, the Assistant Commissioner is hereby authorized to charge or credit the difference to our Deposit Account No. 04-0025. A duplicate of this page is enclosed.

Respectfully submitted,  
D'ALESSANDRO & RITCHIE

Dated: December 21, 1999

  
Nathan R. Rieth  
Reg. No. 44,302

D'Alessandro & Ritchie  
P.O. Box 640640  
San Jose, CA 95164-0640  
(408) 441-1100

**COPY**

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San Jose, CA 95164-0640  
(408) 441-1100

# FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.  
These are the fees effective October 1, 1997.  
Small Entity payments must be supported by a small entity statement,  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.  
See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$) 800.00

## Complete if Known

Application Number	
Filing Date	December 21, 1999
First Named Inventor	Chintan Desai
Examiner Name -	
Group / Art Unit	
Attorney Docket No.	LSI-99-299

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 04-0025  
Deposit Account Name: D'Alessandro & Ritchie

☐ Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17  
☐ Charge the Issue Fee Set in 37 C.F.R. § 1.18 at the Mailing of the Notice of Allowance

2. ☒ Payment Enclosed:  
☒ Check ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Code	Small Entity Code	Fee Description	Fee Paid
101 790	201 395	Utility filing fee	760
106 330	206 165	Design filing fee	
107 540	207 270	Plant filing fee	
108 790	208 395	Reissue filing fee	
114 150	214 75	Provisional filing fee	
SUBTOTAL (1)			760

### 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
19	20** = 0	18	0
3	3** = 0	78	0
Multiple Dependent		0	0

\*\*or number previously paid, if greater; For Reissues, see below

Large Entity Code	Small Entity Code	Fee Description	Fee Paid
103 22	203 11	Claims in excess of 20	
102 82	202 41	Independent claims in excess of 3	
104 270	204 135	Multiple dependent claim, if not paid	
109 82	209 41	** Reissue independent claims over original patent	
110 22	210 11	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)			0

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Code	Small Entity Code	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 400	216 200	Extension for reply within second month	
117 950	217 475	Extension for reply within third month	
118 1,510	218 755	Extension for reply within fourth month	
128 2,060	228 1,030	Extension for reply within fifth month	
119 310	219 155	Notice of Appeal	
120 310	220 155	Filing a brief in support of an appeal	
121 270	221 135	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,320	241 660	Petition to revive - unintentional	
142 1,320	242 660	Utility issue fee (or reissue)	
143 450	243 225	Design issue fee	
144 670	244 335	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Petitions related to provisional applications	
126 240	126 240	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	40
146 790	246 395	Filing a submission after final rejection (37 CFR 1.129(a))	
149 790	249 395	For each additional invention to be examined (37 CFR 1.129(b))	
Other fee (specify) _____			
Other fee (specify) _____			
SUBTOTAL (3)			40

\* Reduced by Basic Filing Fee Paid

## SUBMITTED BY

Typed or Printed Name: Nathan R. Rieth

Signature: *Nathan R. Rieth*

Date: 12/21/99

## Complete (if applicable)

Reg. Number: 44,302

Deposit Account User ID: \_\_\_\_\_

Please type a plus sign (+) inside this box → ☒

PTO/SB/05 (4/98)  
Approved for use through 09/30/2000. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. LSI-99-299  
First Inventor or Application Identifier Chintan Desai  
Title Receiver Deserializer Circuit For ...  
Express Mail Label No. EL100016184US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 18]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the invention
  - Brief Summary of the invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
4. Oath or Declaration [Total Pages 2]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 16 completed)
    - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

**NOTE FOR ITEMS 1 & 15: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).**

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

5. ☐ Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Copy
  - b. ☐ Paper Copy (identical to computer copy)
  - c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

7. ☒ Assignment Papers (cover sheet & document(s))
8. ☐ 37 C.F.R. § 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
13. ☐ Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired (PTO/SB/09-12)
14. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
15. ☐ Other: \_\_\_\_\_

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_  
Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label ☐ Correspondence address below  
(Insert Customer No. or Attach bar code label here)

Name	Bruce R. Hoppenfeld				
Address	LSI Logic Corporation, Patent Law Department				
	1551 McCarthy Boulevard				
City	Milpitas	State	CA	Zip Code	95035
Country	USA	Telephone	408-433-6100	Fax	408-433-7770

Name (Print/Type)	Nathan R. Rieth	Registration No. (Attorney/Agent)	44,302
Signature	<i>Nathan R. Rieth</i>	Date	12/21/99

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.